

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
25 August 2005 (25.08.2005)

PCT

(10) International Publication Number
WO 2005/076998 A2

(51) International Patent Classification: Not classified

(21) International Application Number:
PCT/US2005/003857

(22) International Filing Date: 7 February 2005 (07.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/541,775 5 February 2004 (05.02.2004) US

(71) Applicant (for all designated States except US): **IN-
TRADIGM CORPORATION** [US/US]; Suite K, 12115
Parklawn Drive, Rockville, MD 20852 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **TANG, Quinn**
[US/US]; 31 Longmeadow Drive, Gaithersburg, MD
20878 (US). **LU, Patrick, Y.** [US/US]; 17093 Briardale
Road, Rockville, MD 20855 (US). **XIE, Frank, Y.**
[CN/US]; 13921 Rockingham Road, Germantown, MD
20874 (US). **WOODLE, Martin, C.** [US/US]; 8205
Beech Tree Road, Bethesda, MD 20817 (US).

(74) Agents: **BOOTH, Paul, M.** et al.; Heller Ehrman LLP,
1717 Rhode Island Avenue, N.W., Washington, DC 20036-
3001 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

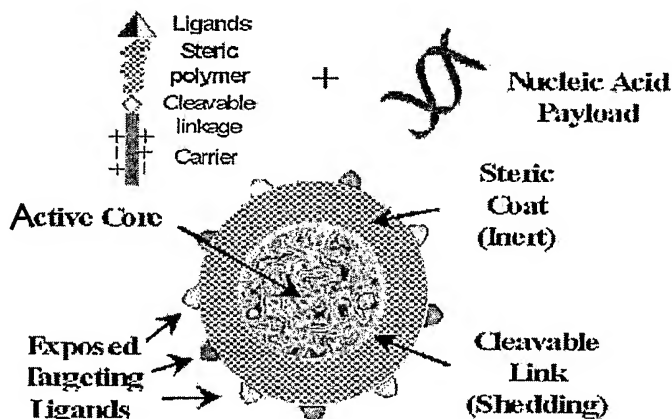
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: RNAI THERAPEUTICS FOR TREATMENT OF EYE NEOVASCULARIZATION DISEASES



(57) Abstract: Compositions and methods for treat-
ing ocular disease are provided. Specifically, siRNA
molecules and mixtures of siRNA molecules are pro-
vided that inhibit angiogenesis and/or neovascular-
ization in the eye are provided. The compositions
and methods are suitable for treating ocular diseases
associated with angiogenesis and/or neovasculariza-
tion.

WO 2005/076998 A2